NIH Workshop on Ensuring the Continued Responsible Oversight of Research with Non-Human Primates

Wednesday, September 7, 2016 National Institutes of Health Bethesda, MD

Objective: to explore the current state of the science of NIH-supported research involving non-human primates (Session I) and discuss existing animal welfare regulations and policies (Session II).

9:00am Welcome and Opening Remarks

Francis Collins, M.D., Ph.D., Director, National Institutes of Health Carrie Wolinetz, Ph.D., Associate Director for Science Policy, National Institutes of Health

9:15am Session I: State of the Science of NIH-Supported Research Involving Non-Human Primates (5 Panel Presentations – 15 minutes each)

Moderator: David O'Connor, Ph.D., Professor of Pathology and Laboratory Medicine, University of Wisconsin, Madison

Nancy Haigwood, Ph.D., Director and Senior Scientist at the Oregon National Primate Research Center, Oregon Health & Science University

William Newsome, Ph.D., Professor of Neurobiology and Psychology, Stanford School of Medicine

Michael Platt, Ph.D., Professor of Neuroscience, Psychology and Marketing, University of Pennsylvania

Charles Murry, M.D., Ph.D., Professor of Pathology, Bioengineering and Medicine/Cardiology, University of Washington

Teresa Woodruff, Ph.D., Professor and Vice Chair for Research of Obstetrics & Gynecology, Northwestern University

10:45am BREAK



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11:00am Group Discussion

- How do non-human primates uniquely contribute to our understanding of basic biological processes and disease states?
- What are the emerging scientific opportunities and/or public health needs for which non-human primates research models may be required?
- Why and how does a researcher decide to use a non-human primate model?

12:30pm **LUNCH**

1:00pm Session II: Oversight of NIH-Supported Research Using Non-Human Primates (5 Panel Presentations – 15 minutes each)

Moderator: Margaret Foster Riley, J.D., Professor of Law at the University of Virginia School of Law

Carol Clarke, D.V.M., Research Staff Officer at the Animal and Plant Health Inspection Service and Kristina Adams, M.S., Coordinator in the Animal Welfare Information Center, U.S. Department of Agriculture

Patricia Brown, D.V.M., Director of the Office of Laboratory Animal Welfare, U.S. Department of Health and Human Services

Ernest Prentice, Ph.D., Associate Vice Chancellor for Academic Affairs, University of Nebraska Medical Center

F. Claire Hankenson, D.V.M., M.S., D.A.C.L.A.M., Director of Animal Resources and Attending Veterinarian, Michigan State University

Nancy Ator, Ph.D., Director of the Division of Behavioral Biology, Johns Hopkins University

2:15pm BREAK

2:30pm Group Discussion

- What are the policies and processes in place regarding the ethical use of non-human primates in NIH-supported research?
- How does the current oversight framework address ethical and welfare concerns of using non-human primates in NIH-supported research?
- What is the laboratory and veterinary science evidence base underlying current welfare standards and practices?

4:15pm: Public Comments

4:45pm: Closing Remarks

Carrie Wolinetz, Ph.D., Associate Director for Science Policy, National

Institutes of Health

5:00pm: Adjourn

Workshop Participants

- Christian Abee, D.V.M., M.S., D.A.C.L.A.M., Professor and Chair in the Department of Veterinary Sciences, University of Texas MD Anderson Cancer Center
- (Speaker) Kristina Adams, M.S., Coordinator, Animal Welfare Information Center, U.S. Department of Agriculture
- David Amaral, Ph.D., Chair and Director of Research, MIND Institute, University of California at Davis
- Richard Andersen, Ph.D., Professor of Neuroscience, Caltech
- (Speaker) Nancy Ator, Ph.D., Director of the Division of Behavioral Biology, Johns Hopkins University
- Kathryn Bayne, M.S., Ph.D., D.V.M., D.A.C.L.A.M., D.A.C.A.W., C.A.A.B., Executive Director, Association for Assessment and Accreditation of Laboratory Animal Care International
- Tom Beauchamp, Ph.D., Professor of Philosophy and Senior Research Scholar at the Kennedy Institute of Ethics, Georgetown University
- Charles Bradberry, Ph.D., Senior Investigator in the Preclinical Pharmacology Section, National Institute on Drug Abuse
- (Speaker) Patricia Brown, D.V.M., Director of the Office of Laboratory Animal Welfare, U.S. Department of Health and Human Services
- Larry Carbone, D.V.M., Ph.D., D.A.C.A.W., D.A.C.L.A.M., Interim Director of the Institutional Animal Care and Use Program, University of California San Francisco
- (Speaker) Carol Clarke, D.V.M., Research Staff Officer at the Animal and Plant Health Inspection Service, U.S. Department of Agriculture
- Francis Collins, M.D., Ph.D., Director, National Institutes of Health
- Mahlon DeLong, M.D., Professor of Neurology, Emory University
- John Dennis, D.V.M., Director of Veterinary Services at the Center for Biologics Evaluation and Research, Food and Drug Administration

- Asgi Fazleabas, Ph.D., Professor and Associate Chair for Research of Obstetrics, Gynecology, and Reproductive Biology, Michigan State University
- Joanne Flynn, Ph.D., Professor of Microbiology and Molecular Genetics, University of Pittsburgh
- Genoveffa Franchini, M.D., Senior Investigator, National Cancer Institute
- Michael Goldberg, M.D., Professor of Brain and Behavior in Neuroscience,
 Neurology, Psychiatry, and Ophthalmology, Columbia University Medical Center
- Christine Grady, M.S.N., Ph.D., Chief of the Department of Bioethics, NIH Clinical Center
- (Speaker) Nancy Haigwood, Ph.D., Director and Senior Scientist at the Oregon National Primate Research Center, Oregon Health & Science University
- (Speaker) F. Claire Hankenson, D.V.M., Director of the MSU Campus Animal Resources and Attending Veterinarian, Michigan State University
- Kathy Hudson, Ph.D., Deputy Director for Science, Outreach, and Policy, National Institutes of Health
- Jeff Kahn, Ph.D., M.P.H., Director of Berman Institute of Bioethics, Johns Hopkins University
- Sabine Kastner, M.D., Ph.D., Professor of Psychology, Princeton University
- Allan Kirk, M.D., Ph.D., F.A.C.S., Professor and Chair of Surgery, Duke University Medical Center
- Jeffrey Lifson, M.D., Director, AIDS and Cancer Virus Program, Leidos Biomedical Research Inc., Frederick National Laboratory
- Janet McNicholl, M.D., Preclinical Team Lead of the Division of HIV/AIDS
 Prevention Laboratory Branch, U.S. Centers for Disease Control and Prevention
- John Morrison, Ph.D., Director, California National Primate Research Center and Professor of Neurology, University of California at Davis
- LaVonne Meunier, D.V.M., D.A.C.L.A.M., D.A.C.A.W., Director of Veterinary Medicine and Attending Veterinarian, GlaxoSmithKline

- (Speaker) Charles Murry, M.D., Ph.D., Professor of Pathology, Bioengineering and Medicine/Cardiology, University of Washington
- Christian Newcomer, V.M.D., M.S., D.A.C.L.A.M., Independent Consultant on Research Animal Care and Use
- (Speaker) William Newsome, Ph.D., Professor of Neurobiology and Psychology, Stanford School of Medicine
- Steven Niemi, D.V.M., D.A.C.L.A.M., Director of the Office of Animal Resources, Harvard University
- (Moderator) David O'Connor, Ph.D., Professor of Pathology and Laboratory Medicine, University of Wisconsin, Madison
- Kyle Orwig, Ph.D., Associate Professor of Obstetrics, Gynecology, and Reproductive Sciences, and Molecular Genetics and Biochemistry, University of Pittsburgh
- (Speaker) Michael Platt, Ph.D., Professor of Neuroscience, Psychology and Marketing, University of Pennsylvania
- Linda Porrino, Ph.D., Professor and Chair of Physiology and Pharmacology,
 Wake Forest School of Medicine
- (Speaker) Ernest Prentice, Ph.D., Associate Vice Chancellor for Academic Affairs, University of Nebraska Medical Center
- (Moderator) Margaret Foster Riley, J.D., Professor of Law, University of Virginia School of Law
- Jeffrey Rogers, Ph.D., Associate Professor of Molecular and Human Genetics, Baylor College of Medicine
- Doug Rosene, Ph.D., Professor of Anatomy and Neurobiology, Boston University
- Steven Schapiro, Ph.D., Associate Professor of Veterinary Sciences, Michale E.
 Keeling Center for Comparative Medicine and Research, University of Texas MD
 Anderson Cancer Center
- Krishna Shenoy, Ph.D., Professor of Electrical Engineering, Stanford University
- · Peter Strick, Ph.D., Professor and Chair of Neurobiology, University of Pittsburgh

- Carrie Wolinetz, Ph.D., Associate Director for Science Policy, National Institutes of Health
- (Speaker) Teresa Woodruff, Ph.D., Professor and Vice Chair for Research of Obstetrics & Gynecology, Northwestern University
- Joanne Zurlo, Ph.D., Senior Scientist, Johns Hopkins Bloomberg School of Public Health